

FIG. 3

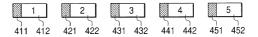
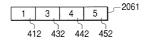


FIG. 4



FIG. 5



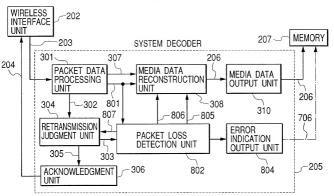
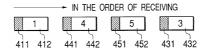


FIG. 7(a)



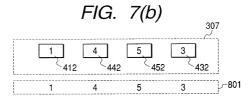
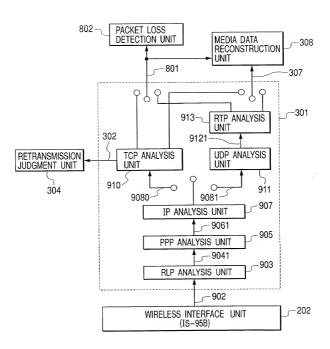


FIG. 8



IPv4	PACKET	

11 14 1710								
VERSION (4 BITS)	HEAD (4 BI	DER LENGTH PRIORITIES) PRIORITIES		SERVICE TYPE (5 BITS)		TOTAL IP LENGTH (2 BYTES)		
DATAGRAM (2 BYTES)		FRAGMEN ¹ (2 BYTES)	Γ		LIVE BYTE)	PROTO (1 BYT		CHECKSUM (2 BYTES)
SOURCE I ADDRESS (4 BYTES)		DESTINATIO ADDRESS (4 BYTES)	N F	PORT	PAYLO)AD (VAF	IABLE	LENGTH)
9061)							908

FIG. 10

9041

PPP FRAME

FLAG (1 BYTE) DESTINATION CONTROL (2 BYTES) PANTES (1 BYTE) PROTOCOL (1 BYTE)	YLOAD REDUNDANCY REDUNDANCY CHECK (1 BYTE)
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906

FIG. 11

902

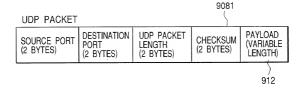
RLP FRAME)			
SEQUENCE NUMBER (1 BYTE)	TYPE OF FRAME (1 BIT)	PAYLOAD LENGTH (7 BITS)	PAYLOAD (VARIABLE)	PADDING (VARIABLE)

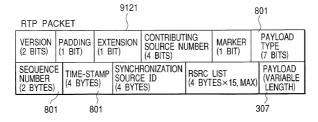
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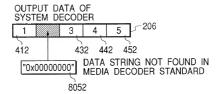
FIG. 12

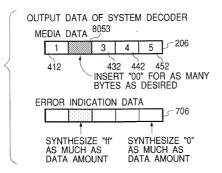
			801	9	90,80
TCP PAC	KET		ζ.)
SOURCE PORT (2 BYTES)	DESTINATION PORT (2 BYTES)	SOURCE SEQUENC (4 BYTES	E NUMBER		LEDGMENT DE NUMBER S)
HEADER LENGTH (4 BITS)	RESERVED (4 BITS)	SESSION FLAG (1 BYTE)	WINDOW SIZE (2 BYTES)	CHECKSUM (2 BYTES)	URGENT POINTER (2 BYTES)
PAYLOAD (VARIABLE LENGTH)					
307					

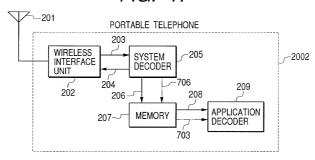
FIG. 13











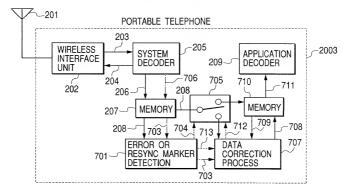


FIG. 19

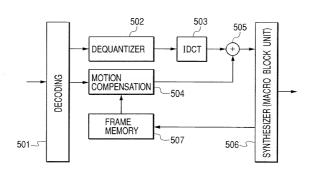
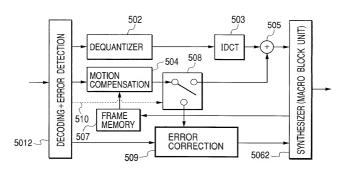


FIG. 20



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FIG. 21

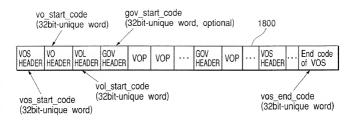
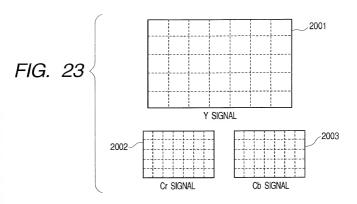
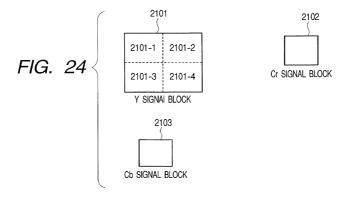


FIG. 22

1900

modulo time base vop_start_code vop coding type marker bit (1bit AND ABOVE, (32bit-unique word) (2bit) (1bit) TERMINATE WITH "0") vop rounding type vop time increment marker bit vop_coded (IN CASE OF 1bit, vop_coding_type !="1") (1-16bit VARIABLE) (1bit) (1bit) intra_dc_vlc thr vop fcode backward(IN CASE vop fcode forward (IN CASE vop quant OF 3bit, vop coding type !="1") OF 3bit vop coding type=="B" (3bit) (5bit)





2200

FIG. 25

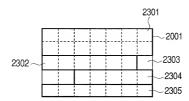
not coded (1bit, vop coding mcbpc ac_pred_flag (1bit, mb_type== IN CASE OF intra or intra+q) type==IN CASE OF "p") (1-9bit VARIABLE) dquant (2bit, mb type cpby (1-6bit, mb_type != MOTION VECTOR (mb_type ==IN CASE OF IN CASE OF stuffing) ==inter, inter+q or inter4v) intra+q or inter+q) DIFFERENTIAL intra DC COEFFICIENT Intra AC COEFFICIENT or inter DC & AC (mb type==intra or intra+q AND use COEFFICIENT (BLOCK DESIGNATED intra dc vlc==IN CASE OF "1")

BY cbpy, cbpci)

mcbpc: mb_type_(intra, intra+q, inter, inter+q, inter4v, stuffing), cbpc not_coded: IN CASE OF "1", mb_type=inter, NO MOTION, mcbpc AND THEREAFTER OMITTED use intra dc vlc: DETERMINE BY quant AND intra dc vlc thr,

AND TAKE THE VALUE OF "0" OR "1"

FIG. 26



2401

24021

FIG. 27

VIDEO PACKET DATA (I-VOP)

VIDEO PACKET HEADER	PRIORITY DATA PART (I-VOP)	dc_marker (19bit)	AC COEFFICIENT CONTROL INFORMATION (ac_pred_flag, cbpy)	AC COEFFICIENT INFORMATION
2401) 2402) 2403	2404) 2405

FIG. 28

resync marker macroblock number quant scale header extension code (17-23bit-unique word) (1-14bit) (5bit) (1bit) modulo time base marker bit vop coding type marker bit vop time increment (1bit and above, terminate with "0") (1bit) (1-16bit VARIABLE) (1bit) (2bit) vop fcode backward vop fcode forward intra dc vlc thr (IN CASE OF 3bit, vop (IN CASE OF 3bit, vop coding (3bit) coding type != "1") type == "B")

FIG. 29

PRIORITY DATA PART (I-VOP)

mcbpc | dquant (IN CASE OF (1-9bit VARIABLE) | 2bit, mb_type==intra+q) | UFFERENTIAL intra DC COEFFICIENT (IN CASE OF use_intra_dc_vic=="1")

mcbpc: mb_type (intra, intra+q stuffing), cbpc

use_intra_dc_vlc: DETERMINE BY quant AND intra_dc_vlc_thr,

AND TAKE THE VALUE OF "0" OR "1"



FIG. 31



FIG. 32

VIDEO PACKET DATA (P-VOP)



29021

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FIG. 33

PRIORITY DATA PART (P-VOP)

not_coded (1bit) | mcbpc | MOTION VECTOR | (1-9bit VARIABLE) | (mb_type==inter, inter+q, or inter4v)

mcbpc:mb_type (intra, intra+q, inter, inter+q, inter4v, stuffing), cbpc IN CASE OF not_coded:"1", mb_type=inter, NO MOTION, mcbpc AND THEREAFTER OMITTED

FIG. 34

intra DIFFERENTIAL DC COEFFICIENT INFORMATION & AC COEFFICIENT CONTROL INFORMATION

29041

intra+q) app (1 only 2 or inter+q)	ac_pred_flag (IN CASE OF 1bit, mb_type==intra or intra+q)	cbpy (1-6bit)	dquant (IN CASE OF 2bit, mb_type==intra+cor inter+q)
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DIFFERENTIAL intra DC COEFFICIENT (mb_type==intra or intra+q)

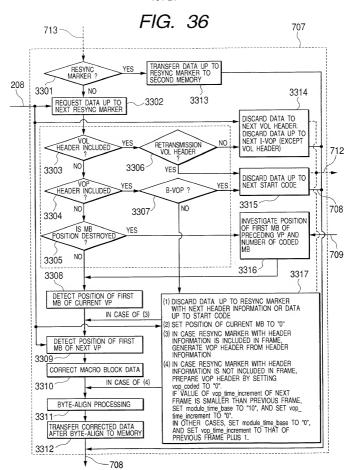
FIG. 35

intra AC COEFFICIENT or inter DC & AC COEFFICIENT INFORMATION

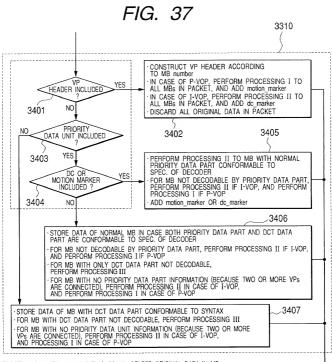
intra AC COEFFICIENT or inter DC & AC COEFFICIENT (BLOCK DESIGNATED BY obpy, obpoi

- 29051

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PROCESSING I: SET not coded FLAG TO "1". DELETE ORIGINAL DATA IN MB.

PROCESSING II: SET ALL DIFFERENTIAL DC COEFFICIENTS IN M8 TO "0" AND SET mb_type TO "intra" AND SET cpby AND cbpc (mcbpc) TO NO CODED BLOCK.

DELETE ORIGINAL DATA IN M8.

PROCESSING III: SET cpby AND cbpc (mcbpc) TO NO CODED BLOCK.

FURTIFIÉR, IN CASE OF I-VOP, SET ac pred flag TO "0", AND DELETE AC COEFFICIENT DATA.
IN CASE OF P-VOP, PERFORM PROCESSING I IF INTRA CODING. IF mb_type
IS PREDICTIVE CODING DELETE inter DC & AC COEFFICIENT DATA.

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FIG. 38

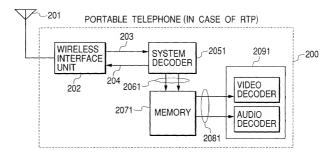


FIG. 39

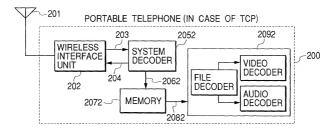


FIG. 40

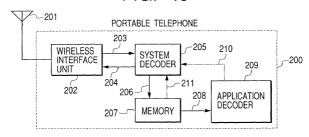


FIG. 41

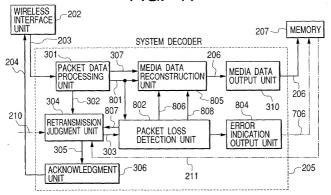


FIG. 42

